

CLAIMS

1

2 The invention claimed is:

- 3 1. An improved laryngoscope of the type having a stationary handle, a
4 stationary blade having a proximal end from which it extends
5 generally normally forwardly from the stationary handle and a distal
6 end, a tip pivotally attached to the distal end of the stationary
7 blade, a movable handle pivotally attached to the proximal end of
8 the stationary blade and operatively connected to the tip, and an
9 arm operatively attached to the movable handle and the tip and
10 pivoting the tip downwardly when the movable handle is moved towards
11 the stationary handle depressing the epiglottis, said improvement
12 comprising:
13 a) a movable blade; and
14 b) said movable blade being pivotally attached to the stationary
15 blade and affixed to the movable handle for movement therewith
16 so as to allow said movable blade to pivot away from the
17 stationary blade when the movable handle is moved towards the
18 stationary handle for spreading the posterior tissue defining
19 the superior opening of the larynx away from the epiglottis
20 simultaneously as the tip depresses the epiglottis and both
21 thereby opening up the trachea exposing the larynx.
- 22 2. The improved laryngoscope as defined in claim 1, wherein said
23 improvement comprises a lock.
- 24 3. The improved laryngoscope as defined in claim 2, wherein said
25 improvement comprises said lock locking said movable blade in a
26 desired position by locking the movable handle affixed thereto.

- 1 4. The improved laryngoscope as defined in claim 2, wherein said
2 improvement comprises:
3 a) said lock including the movable handle having a distal end
4 with a through bore therethrough; and
5 b) said through bore through the distal end of the movable handle
6 defined by a boundary.
- 7 5. The improved laryngoscope as defined in claim 4, wherein said
8 improvement comprises said lock including the stationary handle
9 having a distal end from which extends, at a spring end, a strip.
- 10 6. The improved laryngoscope as defined in claim 5, wherein said
11 improvement comprises said strip of said lock passing selectively
12 lockingly through said through bore in the distal end of the movable
13 handle of said lock.
- 14 7. The improved laryngoscope as defined in claim 5, wherein said
15 improvement comprises:
16 a) said strip of said lock being arcuate;
17 b) said strip of said lock having a ratchet surface; and
18 c) said ratchet surface of said strip of said lock selectively
19 engaging said boundary of said through bore through the distal
20 end of the movable handle.
- 21 8. The improved laryngoscope as defined in claim 1, wherein said
22 improvement comprises:
23 a) the movable handle having a proximal end;
24 b) said movable blade having a proximal end; and
25 c) the movable handle having a connector.

- 1 9. The improved laryngoscope as defined in claim 8, wherein said
2 improvement comprises said connector of the movable handle extending
3 fixedly from said proximal end of the movable handle fixedly to said
4 proximal end of said movable blade so as to allow said movable blade
5 to move with the movable handle.
- 6 10. The improved laryngoscope as defined in claim 1, wherein said
7 improvement comprises said movable blade extending substantially
8 over the stationary blade plus the tip.
- 9 11. The improved laryngoscope as defined in claim 8, wherein said
10 improvement comprises said movable blade extending flat from said
11 proximal end of said movable blade.
- 12 12. The improved laryngoscope as defined in claim 8, wherein said
13 improvement comprises said movable blade extending horizontally from
14 said proximal end of said movable blade.
- 15 13. The improved laryngoscope as defined in claim 8, wherein said
16 improvement comprises said proximal end of said movable blade being
17 flat.
- 18 14. The improved laryngoscope as defined in claim 8, wherein said
19 improvement comprises said proximal end of said movable blade being
20 vertical.
- 21 15. The improved laryngoscope as defined in claim 8, wherein said
22 improvement comprises said connector of the movable handle being
23 generally L-shaped.

- 1 16. The improved laryngoscope as defined in claim 8, wherein said
2 improvement comprises said connector of the movable handle having:
3 a) a first portion; and
4 b) a second portion.
- 5 17. The improved laryngoscope as defined in claim 16, wherein said
6 improvement comprises said first portion of said connector of the
7 movable handle fixedly and coplanarly abutting said proximal end of
8 the movable handle.
- 9 18. The improved laryngoscope as defined in claim 17, wherein said
10 improvement comprises said second portion of said connector of the
11 movable handle extending normally rearwardly from said first portion
12 of said connector of the movable handle.
- 13 19. The improved laryngoscope as defined in claim 17, wherein said
14 improvement comprises said second portion of said connector of the
15 movable handle being fixedly attached to said proximal end of said
16 movable blade.
- 17 20. An improved laryngoscope of the type having a stationary handle, a
18 stationary blade having a proximal end from which it extends
19 generally normally outwardly from the stationary handle and a distal
20 end, a tip pivotally attached to the distal end of the stationary
21 blade, a movable handle pivotally attached to the proximal end of
22 the stationary blade and operatively connected to the tip, and an
23 arm operatively attached to the movable handle and the tip and
24 pivoting the tip downwardly when the movable handle is moved towards
25 the stationary handle depressing the epiglottis, said improvement
26 comprising:
27 a) a movable blade;

- 1 b) said movable blade being pivotally attached to the stationary
2 blade and affixed to the movable handle for movement therewith
3 so as to allow said movable blade to pivot away from the
4 stationary blade when the movable handle is moved towards the
5 stationary handle for spreading the posterior tissue defining
6 the superior opening of the larynx away from the epiglottis
7 simultaneously as the tip depresses the epiglottis and both
8 thereby opening up the trachea exposing the larynx;
- 9 c) a lock;
- 10 d) said lock locking said movable blade in a desired position by
11 locking the movable handle affixed thereto;
- 12 e) said lock including the movable handle having a distal end
13 with a through bore therethrough;
- 14 f) said through bore through the distal end of the movable handle
15 defined by a boundary;
- 16 g) said lock including the stationary handle having a distal end
17 from which extends, at a spring end, a strip;
- 18 h) said strip of said lock passing selectively lockingly through
19 said through bore in the distal end of the movable handle of
20 said lock;
- 21 i) said strip being arcuate;
- 22 j) said strip of said lock having a ratchet surface;
- 23 k) said ratchet surface of said strip of said lock selectively
24 engaging said boundary of said through bore through the distal
25 end of the movable handle;
- 26 l) the movable handle having a proximal end;
- 27 m) said movable blade having a proximal end;
- 28 n) the movable handle having a connector;
- 29 o) said connector of the movable handle extending fixedly from
30 said proximal end of the movable handle fixedly to said

1 proximal end of said movable blade so as to allow said movable
2 blade to move with the movable handle;
3 p) said movable blade extending substantially over the stationary
4 blade plus the tip;
5 q) said movable blade extending flat from said proximal end of
6 said movable blade;
7 r) said movable blade extending horizontally from said proximal
8 end of said movable blade;
9 s) said proximal end of said movable blade being flat;
10 t) said proximal end of said movable blade being vertical;
11 u) said connector of the movable handle being generally L-shaped;
12 v) said connector of the movable handle having:
13 i) a first portion; and
14 ii) a second portion;
15 w) said first portion of said connector of the movable handle
16 fixedly and coplanarly abutting said proximal end of the
17 movable handle;
18 x) said second portion of said connector of the movable handle
19 extending normally rearwardly from said first portion of said
20 connector of the movable handle; and
21 y) said second portion of said connector of the movable handle
22 being fixedly attached to said proximal end of said movable
23 blade.